

|  |  |                              |                              |
|--|--|------------------------------|------------------------------|
| <input type="checkbox"/> [ ]                     | <input type="checkbox"/> [ ]           | <input type="checkbox"/> [ ] | <input type="checkbox"/> [ ] |
| DS:  | C:\PROGRAMS\UNIVERSITY\DATA\SYSTEM.TAB |                              |                              |
| Device number:                                   | ON                                     |                              |                              |
| S17 and (!drive4 or control54) near2 transistor) |  |                              |                              |

☒ 1-2x   
 ☐ 1-4x   
 ☒ 1-16x   
 ☐ 1-64x   
 ☐ 1-256x   
 ☐ 1-1024x   
 ☐ 1-4096x   
 ☐ 1-16384x   
 ☐ 1-65536x   
 ☐ 1-262144x   
 ☐ 1-1048576x   
 ☐ 1-4194304x   
 ☐ 1-16777216x   
 ☐ 1-67108864x   
 ☐ 1-268435456x   
 ☐ 1-1073741824x   
 ☐ 1-4295039488x   
 ☐ 1-17180157824x   
 ☐ 1-68720631296x   
 ☐ 1-274882529280x   
 ☐ 1-1099530117888x   
 ☐ 1-4398120471040x   
 ☐ 1-17592481886720x   
 ☐ 1-70369927546880x   
 ☐ 1-281479710187520x   
 ☐ 1-1125918840704000x   
 ☐ 1-4503675362816000x   
 ☐ 1-18014701451264000x   
 ☐ 1-72058805805056000x   
 ☐ 1-288235223220224000x   
 ☐ 1-1152940892880896000x   
 ☐ 1-4611763571523584000x   
 ☐ 1-18447054286094336000x   
 ☐ 1-73788217144377344000x   
 ☐ 1-295152868577509376000x   
 ☐ 1-1180611474310037504000x   
 ☐ 1-4722445897240150016000x   
 ☐ 1-18889783588960600064000x   
 ☐ 1-75559134355842400256000x   
 ☐ 1-3022365374233696010240000x   
 ☐ 1-12089461496934784040960000x   
 ☐ 1-48357845987739136163840000x   
 ☐ 1-193431383950956544655360000x   
 ☐ 1-773725535803826178621440000x   
 ☐ 1-3094902143215304714485760000x   
 ☐ 1-12379608572861218857943040000x   
 ☐ 1-49518434291444875431772160000x   
 ☐ 1-198073737165779501727088640000x   
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 ☐ 1-2456369176775114671523791484699410410781016064000000000x   
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 ☐ 1-15720762731360733897752265502076

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| S1    | 1    | "20040178516"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2005/03/11 12:36 |
| S2    | 18   | ogata-tamotsu.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2005/03/11 12:37 |
| S3    | 1    | "20040178516"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2005/03/11 16:47 |
| S4    | 18   | ogata-tamotsu.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2005/03/11 16:47 |
| S5    | 7    | S4 and transistor and (hole or open\$4) and gate and substrate  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2005/03/11 16:50 |
| S6    | 1    | "9213802"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2005/03/11 16:51 |
| S12   | 1    | "09213802"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2005/03/11 16:53 |
| S13   | 1    | "11168199"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2005/03/11 16:56 |
| S14   | 7374 | transistor and ((interlayer near2 (insulat\$4 or dielectric)) or (interdielectric or interinsulat\$4 or inter-dielectric or inter-insulat\$4 or (inter adj (dielectric or insulati\$4)))) and (open\$4 or hole) and source and drain and gate and (sidewall or (side adj wall) or spacer) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2005/03/11 17:00 |
| S15   | 1356 | S14 and (second adj gate)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2005/03/11 17:00 |
| S16   | 152  | S15 and (second adj (sidewall or (side adj wall) or spacer))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2005/03/11 17:01 |
| S17   | 137  | S16 and (conduct\$4)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2005/03/11 17:02 |
| S18   | 36   | S17 and ((driv\$4 or control\$4) near2 transistor)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2005/03/11 18:14 |
| S19   | 3    | ("4305200"   "4925807"   "5061975").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                | OR               | ON      | 2005/03/11 17:53 |
| S20   | 20   | ("5621232").URPN.   | USPAT                                       | OR               | ON      | 2005/03/11 17:56 |
| S22   | 101  | S17 not (S18 S19 S20)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2005/03/11 18:04 |

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S23 | 101 | S22 and (second adj (sidewall or (side adj wall) or spacer))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/03/11 18:04 |
| S24 | 2   | S23 and (compress\$4)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/03/11 18:05 |
| S25 | 0   | S23 and (cilicide and nitride and plug)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/03/11 18:07 |
| S26 | 38  | S23 and (silicide and nitride and plug)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/03/11 18:14 |
| S27 | 104 | ((driv\$4 or control\$4) near2 transistor) and (load adj transistor) and gate and ((interlayer near2 (insulat\$4 or dielectric)) or interdielectric or interinsulat\$4 or inter-dielectric or inter-insulat\$4 or (inter adj (dielectric or insulat\$4))) and plug | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/03/11 18:16 |
| S28 | 55  | S27 and ((side adj wall) or sidewall or spacer)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/03/11 18:17 |
| S29 | 54  | S28 not (S3 S4 S5 S24 S26 S18 S19 S20)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/03/11 18:17 |
| S30 | 53  | S29 and (source and drain and substrate)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/03/11 18:18 |
| S31 | 40  | S30 and gate and nitride and oxide   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/03/11 18:25 |
| S32 | 13  | S30 not S31  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/03/11 18:25 |